


To: Stephen Silva, Chief, Water Quality Branch, EPA Region 1
From: Glenn Haas, Acting Assistant Commissioner, BRP, MassDEP 
Date: January 2, 2007
Re: Summary of revisions to tables to MA Surface Water Quality Standards, 314 CMR 4.00

This memo delineates the revisions to the Massachusetts Surface Water Quality Standards (WQS) tables.

Class A waters revisions

Revisions relative to Class A waters are listed below and generally fall into three categories: 1) waters newly listed as Class A, i.e. DEP approved public water supplies that were not listed in the WQS as Class A; 2) Class A waters that were listed in the wrong basin and now are listed in the correct basin; and 3) waters that were listed as Class A, but now are listed as Class B.

Listed as Class A

Basin/drainage area

Housatonic

- School House Lake
- Karner Brook Reservoir
- Sandisfield Road Reservoir - is moved from the Farmington Basin, where it incorrectly was listed.
- Karner Brook - remains Class A, but is changed from a PWS to a tributary to a PWS.

Westfield

- Little River - Cobble Mt. Reservoir dam to hydroelectric dam - this segment is listed as Class A, tributary to PWS, it was Class B.
- Intake Reservoir
- Sedimentation Basin
- Austin Brook Reservoir
- Littleville Lake
- Ashley Reservoir - Wright Pond and Ashley Pond were listed separately as Class A, they now are listed together as one waterbody, Ashley Reservoir.

Deerfield

- Green River - Vt. line to water supply intake

Connecticut

- Amethyst Brook
- Conway Reservoir

Chicopee

- Doane Pond and Horse Pond - these two Class A waters were listed together, they now are listed separately.
- Lake Mattawa - is moved from the Millers, where it incorrectly was listed.

Blackstone

- #2 Holden Reservoir and #1 Holden Reservoir - these two Class A waters were listed together, they now are listed separately.

Boston Harbor Drainage Area (formerly Mystic)¹

- South Reservoir

Taunton

- Wading River (Attleboro Reservoir) - source to water supply intake in Mansfield

¹ The Mystic, Neponset and Weymouth & Weir River Basins are brought into the Boston Harbor Drainage Area.

Class A to Class B

The following waters are not DEP approved public water supplies. These waters either officially were abandoned as public water supplies, or DEP has no record of their approval or use as public water supplies. Accordingly, they no longer are listed in the tables and fall under the general provision on unlisted inland waters, which provides that such waters are Class B.

Basin

Housatonic - Lower Sackett Reservoir (DEP has no information as to why this was listed as Class A)

Millers - Phillipston Reservoir (abandoned), Reservoirs No. 1 and No. 2 (DEP has no information as to why these were listed as Class A)

Nashua - Ashby Reservoir (DEP has no information as to why this was listed as Class A)

Hudson (formerly Hoosic²) - Broad Brook (this water was incorrectly listed as Class A - it is a segment in Vermont that is used as a PWS by the town of Adams, MA but not a segment in MA)

Other waters moved from one basin/drainage area to another with no change in Class

Merrimack River to Parker River

- Plum Island Sound, Little Pine Island Creek, Pine Island Creek and Jericho Creek
- Plum Island River - is divided into two segments, one segment is moved to the Parker River Basin

Cape Cod to Buzzards Bay

- Cape Cod Canal Sandwich
- Cape Cod Canal Bourne
- Pocasset River
- Several named ponds in Bourne

Newly listed as Class B

South Coastal Drainage Area

- South River - this was listed as SA, it is divided into two segments, with the fresh water segment (source to dam at Main St. Marshfield) listed as Class B. The segment from the dam to the confluence with North River remains Class SA.

A large portion of the river (4.9 miles) is freshwater, which is why it is reclassified as B. The impassable weir-pool fishway at the Veterans Memorial Park dam, just upstream from the Route 3A bridge, Marshfield, is being modified to allow anadromous fish (herring) access to the habitat in this segment of the South River (Reback et al. 2004). The DMF shellfishing area MB6.0 begins downstream of the Route 3A bridge.

SOUTH RIVER (SEGMENT MA94-08)

Location: Headwaters from the outlet of unnamed pond north of Congress Street, Duxbury to dam at Main Street (Route 3A), Marshfield.

Segment Length: 4.9 miles

Classification: Class B, ORW

SOUTH RIVER (SEGMENT MA94-09)

² The Hoosic, Kinderhook and Bashbish River basins are combined into the new Hudson River Basin.

Location: From dam at Main Street (Route 3A), Marshfield to confluence with North River/MA Bay, Marshfield/Scituate.
Size: 0.63 square miles
Classification: Class SA, ORW

North Coastal Drainage Area

- Saugus River – a segment is reclassified from SB to B.

The WQS listed the segment of the Saugus River from the Canal which discharges into Hawkes Pond to Boston Street as SB. However, a large portion of the river is freshwater, which is why it is reclassified as B. The river is not tidally influenced until it reaches the Saugus Iron Works. It is near the Saugus Iron Works where there is evidence of smelt spawning. Suitable rainbow smelt spawning habitat is available in the Saugus River near the Iron Works and smelt egg deposition was readily found by DMF biologists, however, additional area of suitable habitat upstream is currently not accessible because of elevation rise and turbulent flow from the rubble of the former dam upstream of the Iron Works property (Chase 2006a). Additionally, the DMF shellfishing area N26.0 is also identified downstream of the Iron Works.

SAUGUS RIVER (SEGMENT MA93-35)

Location: From the Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield to the Saugus Iron Works, Bridge Street, Saugus
Length/area: 5.4 miles.
Classification: Class B

Newly listed as Class SB

Narragansett Bay/Mt. Hope Bay³

- Palmer River – this was listed as Class B, it is divided into two segments, with the segment from Shad Factory Pond Dam to the state line listed as Class SB. This change results from the fact that shellfishing beds in the river extend up to the Shad Factory Pond Dam, the beds are part of Shellfishing Growing Area MHB5.0.

Waters in MA that are sources of public water supply in Rhode Island

The following waters are listed as Class B, treated water supply.

Narragansett Bay/Mt. Hope Bay Drainage Area

Shad Factory Pond
Anawan Reservoir
Swansea Reservoir (in Swansea)

Blackstone Basin

Wallum Lake (in Douglas)
Mill River (in Blackstone)

CSOs- the CSO status of various waters is updated, some CSOs have been eliminated and others have been identified.

Basin/drainage area

Westfield

Westfield River - CSO impacted eliminated

³ Narragansett Bay and Mt. Hope Bay Drainage Areas are combined into one drainage area.

Little River - CSO impacted eliminated

Connecticut

Connecticut River - CSO impacted segments slightly expanded

Mill River in Springfield - CSO impacted added

Buttery Brook - CSO impacted added

Stony Brook - CSO impacted added

Millers

Millers River - CSO impacted eliminated

Chicopee

Ware River - CSO impacted added to a segment

Swift River - CSO impacted added to a segment

Boston Harbor

Quincy Bay - CSO impacted eliminated from two areas

Boston Inner Harbor - SB(CSO) designated

Boston Harbor (formerly Mystic River)

Aberjona River - CSO impacted eliminated from two segments

Upper Mystic Lake - CSO impacted eliminated

Lower Mystic Lake - CSO impacted eliminated

Mystic River - Amelia Earhart Dam to confluence with Chelsea River - changed from CSO impacted to SB(CSO) designated

Alewife Brook - CSO impacted added

Boston Harbor (formerly Neponset)

Neponset River - CSO impacted eliminated from two segments

Charles River

Charles Basin - CSO impacted area slightly modified

Muddy River - B(CSO) designated

Narragansett Bay/Mount Hope Bay

Lee and Cole Rivers - CSO impacted eliminated

Nashua River

Baker Brook - CSO impacted added

Punch Brook - CSO impacted added

Merrimack

Merrimack River - CSO impacted added to a segment

North Coastal

Annisquam River - CSO impacted eliminated

Beverly Harbor - CSO impacted eliminated

Saugus River - CSO impacted added to a segment

Salem Harbor - CSO impacted eliminated

Newly listed as ORWs

Numerous waters listed as ORWs in the Department's document *Designated Outstanding Resource Waters of Massachusetts 1995*, were not listed in the WQS tables as ORWs. The following of those waters, which were listed as ORWs in the ORW book because they partly or wholly fall within an ACEC or other similarly protected area, now are listed in the WQS tables as ORWs. (The Class A PWS waters listed in the first part of this memo, along with their tributaries, also are ORWs as is the case with all Class A public water supplies and their tributaries.)

Basin/drainage area

Nashua - Several named brooks and ponds - portion in Squannacook and Nissitissit Rivers Sanctuary

SuAsCo (formerly the Concord River Basin) - Cedar Swamp Pond - portion in Westborough Cedar Swamp ACEC

Parker River – Several named creeks & Ox Pasture Brook – portion in Parker River/Essex Bay ACEC

Ipswich – three named creeks - portion in Parker River ACEC

North Coastal – Castle Neck River & three named creeks - portion in Parker River/Essex Bay ACEC

South Coastal – several named brooks, Robinson Creek & Mounce Pond – portion in North River Corridor

Cape Cod – several named waters in Chatham, Harwich & Orleans – portion in Pleasant Bay ACEC; Childs River, Quashnet River & Red Brook – portion in Waquoit Bay ACEC

Designated shellfishing areas

Shellfishing areas were listed in the tables either as open (O) or restricted (R). The (O) and (R) notations are deleted from the tables because the terms open and restricted are incorrect, MA Division of Marine Fisheries (DMF) does not use these terms for shellfishing areas. DMF instead uses the terms Approved, Conditionally Approved, Restricted and Conditionally Restricted. Accordingly, the text of the WQS is revised to be consistent with this DMF terminology. Whether a particular area designated for shellfishing is Approved or Conditionally Approved, or Restricted or Conditionally Restricted, on any given day or time, however, depends on the actual water quality at the time. It, therefore, is not appropriate to include these designations in the WQS tables. The designated use of shellfishing, however, remains in the tables.

Site specific criteria – a table of site specific criteria is added as the last table.

Other revisions

North Coastal Drainage Area

- Pines River - the listing of a segment west of Rte. 1 is eliminated as the WQS erroneously listed a segment of the Pines River as being west of Rte.1. The Pines River in its entirety is east of Rte. 1 and this remains SB.

Other revisions include waterbody name corrections, spelling corrections, and segment delineation corrections, with a portion of Indian Head River in the South Coastal Drainage Area becoming an ORW (currently, this segment is incorrectly listed as part of the North River). The basin/drainage area maps are revised to reflect the newly delineated areas, which are noted above.

Cold water – numerous waters are newly designated as cold water based on both the presence of a reproducing cold water fish population as determined by the MA Division of Fisheries and Wildlife and adequate water quality data demonstrating that such waters meet cold water criteria.

To: Bill Beckwith, Water Quality Branch, EPA Region 1
From: Marcia Sherman
Through: Glenn Haas, Acting Assistant Commissioner, BRP, MassDEP
cc: Russell Isaac, Ph.D.
Date: July 17, 2007
Re: Further summary of revisions to tables to MA Surface Water Quality Standards,
314 CMR 4.00

This memo further delineates the Massachusetts Department of Environmental Protection's December 29, 2006 revisions to the Massachusetts Surface Water Quality Standards (WQS) tables.

Class A waters revisions

Revisions relative to Class A waters are listed below and generally fall into three categories: 1) waters newly listed as Class A, i.e. DEP approved public water supplies that were not listed in the WQS as Class A; 2) Class A waters that were listed in the wrong basin and now are listed in the correct basin; and 3) waters that were listed as Class A, but now are unlisted and Class B by default.

Listed as Class A

Basin/drainage area

Housatonic

- 2 NA • School House Lake - previously unlisted, was Class B by default
- Karner Brook Reservoir - previously unlisted, was Class B by default
- Sandisfield Road Reservoir - moved from the Farmington Basin, where it incorrectly was listed, previously listed as Class A, remains Class A
- Karner Brook - previously listed as Class A, remains Class A, but is changed from a PWS to a tributary to a PWS

Westfield

- 5 NA • Little River - Cobble Mt. Reservoir dam to hydroelectric dam - newly listed as Class A, tributary to PWS, previously listed as Class B
- Intake Reservoir - previously unlisted, was Class B by default
- Sedimentation Basin - previously unlisted, was Class B by default
- Austin Brook Reservoir - previously unlisted, was Class B by default
- Littleville Lake - previously unlisted, was Class B by default
- Ashley Reservoir - Wright Pond and Ashley Pond were listed separately as Class A, they now are listed together as one Class A waterbody, Ashley Reservoir

Deerfield

- 1 NA • Green River - Vt. line to water supply intake - previously listed as Class B

Connecticut

- 2 NA • Amethyst Brook - previously unlisted, was Class B by default
- Conway Reservoir - previously unlisted, was Class B by default

Chicopee

- Doane Pond and Horse Pond - these two Class A waters were listed together as Class A, they now are listed separately as Class A
- Lake Mattawa - moved from the Millers, where it incorrectly was listed, remains Class A

Blackstone

- #2 Holden Reservoir and #1 Holden Reservoir - these two Class A waters were listed together, they now are listed separately as Class A.

Boston Harbor Drainage Area (formerly Mystic)¹

- South Reservoir - previously listed in the Mystic as Class A, remains Class A

Taunton

- Wading River (Attleboro Reservoir) - source to water supply intake in Mansfield - this segment is newly listed as Class A, previously unlisted, was Class B by default

★ The above Class A, PWS, and their tributaries, also now are ORWs. *11 New ORWs.*

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Class A to Class B

The following waters are not DEP approved public water supplies. These waters either officially were abandoned as public water supplies, or DEP has no record of their ever having been approved or used as public waters supplies. They do not have the required public water supply source protections in place under DEP's Drinking Water Program regulations to qualify as Class A public water supplies. They no longer are listed in the tables and, therefore, fall under the general provision on unlisted inland waters, which provides that such waters are Class B. This category of change did not result in the removal of a national goal use.

Basin

Housatonic - Lower Sackett Reservoir (DEP has no information as to why this was listed as Class A)

Millers - Phillipston Reservoir (abandoned), Reservoirs No. 1 and No. 2 (DEP has no information as to why these were listed as Class A)

Nashua - Ashby Reservoir (DEP has no information as to why this was listed as Class A)

Hudson (formerly Hoosic²) - Broad Brook (this water was incorrectly listed as Class A - a segment in Vermont is used as a PWS by the town of Adams, MA, but not a segment in MA)

Other waters moved from one basin/drainage area to another with no change in Class and no change in antidegradation status

Merrimack River to Parker River

- Plum Island Sound, Little Pine Island Creek, Pine Island Creek and Jericho Creek (all were and remain ORWs)
- Plum Island River - is divided into two segments, one segment is moved to the Parker River Basin (the entire river was an ORW, both segments remain ORWs)

Cape Cod to Buzzards Bay

- Cape Cod Canal Sandwich
- Cape Cod Canal Bourne
- Pocasset River (was and remains an ORW)
- Freeman, Mill, Shop & Upper Pond in Bourne (all were and remain ORWs)

¹ The Mystic, Neponset and Weymouth & Weir River Basins are brought into the Boston Harbor Drainage Area.

² The Hoosic, Kinderhook and Bashbish River basins are combined into the new Hudson River Basin.

Newly listed as Class B

South Coastal Drainage Area

- South River – this was listed as SA, it is divided into two segments, with the fresh water segment (source to dam at Main St. Marshfield) listed as Class B. The segment from the dam to the confluence with North River remains Class SA.

A large portion of the river (4.9 miles) is freshwater, which is why it is reclassified as B. The impassable weir-pool fishway at the Veterans Memorial Park dam, just upstream from the Route 3A bridge, Marshfield, is being modified to allow anadromous fish (herring) access to the habitat in this segment of the South River (Reback et al. 2004). The DMF shellfishing area MB6.0 begins downstream of the Route 3A bridge.

SOUTH RIVER (SEGMENT MA94-08)

Location: Headwaters from the outlet of unnamed pond north of Congress Street, Duxbury to dam at Main Street (Route 3A), Marshfield.

Segment Length: 4.9 miles

Classification: Class B, ORW

SOUTH RIVER (SEGMENT MA94-09)

Location: From dam at Main Street (Route 3A), Marshfield to confluence with North River/MA Bay, Marshfield/Scituate.

Size: 0.63 square miles

Classification: Class SA, ORW

North Coastal Drainage Area

- Saugus River – a segment is reclassified from SB to B.

The WQS listed the segment of the Saugus River from the Canal which discharges into Hawkes Pond to Boston Street as SB. However, a large portion of the river is freshwater, which is why it is reclassified as B. The river is not tidally influenced until it reaches the Saugus Iron Works. It is near the Saugus Iron Works where there is evidence of smelt spawning. Suitable rainbow smelt spawning habitat is available in the Saugus River near the Iron Works and smelt egg deposition was readily found by DMF biologists, however, additional area of suitable habitat upstream is currently not accessible because of elevation rise and turbulent flow from the rubble of the former dam upstream of the Iron Works property (Chase 2006a). Additionally, the DMF shellfishing area N26.0 is also identified downstream of the Iron Works.

SAUGUS RIVER (SEGMENT MA93-35)

Location: From the Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield to the Saugus Iron Works, Bridge Street, Saugus

Length/area: 5.4 miles.

Classification: Class B

Newly listed as Class SB

Narragansett Bay/Mt. Hope Bay³

- Palmer River – this was listed as Class B, it is divided into two segments, with the segment from Shad Factory Pond Dam to the state line listed as Class SB.

³ Narragansett Bay and Mt. Hope Bay Drainage Areas are combined into one drainage area.

This change results from the fact that shellfishing beds in the river extend up to the Shad Factory Pond Dam, the beds are part of Shellfishing Growing Area MHB5.0.

Waters in MA that are sources of public water supply in Rhode Island

The following waters now are listed as Class B, treated water supply.

Narragansett Bay/Mt. Hope Bay Drainage Area

Shad Factory Pond - previously unlisted, was Class B by default

Anawan Reservoir - previously unlisted, was Class B by default

Swansea Reservoir (in Swansea) - previously unlisted, was Class B by default

Blackstone Basin

Wallum Lake (in Douglas) - previously unlisted, but fell within the following language in the Blackstone Basin WQS table: "All Interstate surface waters that are public water supply in Rhode Island from 1000 feet upstream of the State Line" are Class A Public Water Supply. Wallum Lake, however, is not an approved PWS in MA and does not have the required MA PWS protections in place to be eligible for PWS/Class A status under MA Drinking Water Program regulations, 310 CMR 22.00.

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Mill River (in Blackstone) - entire river previously listed as B

CSOs- the CSO status of various waters was updated, some CSOs have been eliminated and others have been identified.

Basin/drainage area

Westfield

Westfield River - CSO impacted eliminated

Little River - CSO impacted eliminated

Connecticut

Connecticut River - CSO impacted segments slightly expanded

Mill River in Springfield - CSO impacted added

Buttery Brook - CSO impacted added

Stony Brook - CSO impacted added

Millers

Millers River - CSO impacted eliminated

Chicopee

Ware River - CSO impacted added to a segment

Swift River - CSO impacted added to a segment

Boston Harbor

Quincy Bay - CSO impacted eliminated from two areas

Boston Inner Harbor - SB(CSO) designated

Boston Harbor (formerly Mystic River)

Aberjona River - CSO impacted eliminated from two segments

Upper Mystic Lake - CSO impacted eliminated

Lower Mystic Lake - CSO impacted eliminated

Mystic River - Amelia Earhart Dam to confluence with Chelsea River - changed from CSO impacted to SB(CSO) designated

Alewife Brook - CSO impacted added

Boston Harbor (formerly Neponset)

Neponset River - CSO impacted eliminated from two segments

Charles River

Charles Basin - CSO impacted area slightly modified

Muddy River - B(CSO) designated

Narragansett Bay/Mount Hope Bay

Lee and Cole Rivers - CSO impacted eliminated

Nashua River

Baker Brook - CSO impacted added

Punch Brook - CSO impacted added

Merrimack

Merrimack River - CSO impacted added to a segment

North Coastal

Annisquam River - CSO impacted eliminated

Beverly Harbor - CSO impacted eliminated

Saugus River - CSO impacted added to a segment

Salem Harbor - CSO impacted eliminated

Newly listed ORWs

The following are newly listed ORWs. They fall into two categories: 1) waters that previously were not ORWs and 2) waters that already were ORWs because they are tributaries to waters that already were listed as ORWs.

Basin/drainage area

Nashua – Several named brooks and ponds, all of which previously were unlisted, are newly listed as ORWs. These are new ORWs.

16 New
Beaver, Bixby, Locke,
Mason, Mine, Pearl Hill, Pumpkin,
Stewart, Sucker, Trap Swamp,
Trapfall, Trout in Townsend, Walker, Willard,
Witch, and Wolf Brook
Portion in Squannacook and Nissitissit Rivers Sanctuary

2 New
Bayberry Hill Brook and
Gulf Brook
Portion in Squannacook and Nissitissit Rivers Sanctuary

13 New
Bixby Reservoir, and Coon Tree, Damon, Flat,
Graves, Harbor, Heald, Pearl Hill Brook,
Pork Barrel, and Walker Ponds, and Wright Pond
(Lower Wright Pond & Upper Wright Pond)
Portion in Squannacook and Nissitissit Rivers Sanctuary

1 New
SuAsCo (formerly the Concord River Basin) – Cedar Swamp Pond – portion in Westborough Cedar Swamp ACEC - previously unlisted, newly listed as an ORW. This is a new ORW.

Parker River – Several named creeks & Ox Pasture Brook – portion in Parker River/Essex Bay ACEC (all previously unlisted, newly listed as ORWs)

7 New
Broad, Laws, Lords, Metcalf, Paine,

Shad, Six Goose,

Portion in Parker River/Essex Bay ACEC

The above were unlisted ORWs as tributaries to Rowley River, Eagle Hill River or Roger Island River.

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Club Head, Sand, and West Creeks - were unlisted ORWs as tributaries to Rowley River

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Carlton and Sawyer Creeks - were unlisted ORWs as tributaries to Mudd Creek

Ox Pasture Brook - was an unlisted ORW as a tributary to Mill River

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Stacy Creek - was an unlisted ORW as a tributary to Eagle Hill River

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Ipswich - previously unlisted, newly listed as ORWs. These are new ORWs.

3 new
Fox Creek, Neck Creek
and Treadwell Island Creek
Portion in Parker River/Essex Bay ACEC

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North Coastal

1 new
Castle Neck River (previously unlisted, newly listed as an ORW, this is a new ORW.)
Portion in Parker River/Essex Bay ACEC

Three named creeks (previously unlisted, newly listed, were unlisted ORWs as they are tributaries to the Essex River)

Ebben, Lufkin, and Soginose Creek

Portion in Parker River/Essex Bay ACEC

South Coastal - previously unlisted, newly listed as ORWs. These are new ORWs.

7 new
Cove, Iron Mine, Second Herring, Stony, and
Third Herring Brook, Robinson Creek and Mounce Pond
Portion in North River Corridor

Indian Head River

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Curtis Crossing Dam to
confluence with Herring Brook (this segment previously incorrectly was listed as a
segment of the North River/ORW, it remains an ORW)

Herring Brook

Portion in North River Corridor - previously unlisted, newly listed as an ORW. This
brook already was an ORW as a tributary to PWS Lily Pond, now it is listed as an ORW
also because of its location in the North River Corridor.

Cape Cod - several waters within the Waquoit Bay and Pleasant Bay ACECs

1 new
Childs River
Portion in Waquoit Bay ACEC - previously unlisted, newly listed, is a new ORW.

The following, as tributaries to Waquoit Bay, were unlisted ORWs, now they are listed
ORWs:

Quashnet River
and Red Brook
Portion in Waquoit Bay ACEC

44 total new ORWs

All of the following, as tributaries to Pleasant Bay, were unlisted ORWS, now they are listed ORWs:

Ryder Cove, Bassing Harbor,
Frost Fish Creek, and Muddy
Creek
in Chatham
Portion in Pleasant Bay ACEC

Round Cove
in Harwich
Portion in Pleasant Bay ACEC

Namequoit River, The River,
The Horseshoe, the Narrows,
Frostfish Cove, Hog Island Creek,
and Broad Creek
in Orleans
Portion in Pleasant Bay ACEC

Designated shellfishing areas

Shellfishing areas were listed in the tables either as open (O) or restricted (R). The (O) and (R) notations are deleted from the tables because the terms open and restricted are incorrect, MA Division of Marine Fisheries (DMF) does not use these terms for shellfishing areas. DMF instead uses the terms Approved, Conditionally Approved, Restricted and Conditionally Restricted. Accordingly, the text of the WQS is revised to be consistent with this DMF terminology. Whether a particular area designated for shellfishing is Approved or Conditionally Approved, or Restricted or Conditionally Restricted, on any given day or time, however, depends on the actual water quality at the time. It, therefore, is not appropriate to include these designations in the WQS tables. The designated use of shellfishing, however, remains in the tables.

Site specific criteria – a table of site specific criteria is added as the last table.

Other revisions

North Coastal Drainage Area

- Pines River - the listing of a segment west of Rte. 1 is eliminated as the WQS erroneously listed a segment of the Pines River as being west of Rte.1. The Pines River in its entirety is east of Rte. 1 and this remains SB.

Other revisions include waterbody name corrections, spelling corrections, and segment delineation corrections, with a portion of Indian Head River in the South Coastal Drainage Area becoming an ORW (currently, this segment is incorrectly listed as part of the North River). The basin/drainage area maps are revised to reflect the newly delineated areas, which are noted above.

Cold water – numerous (see attached list) waters are newly designated as cold water based on both the presence of a reproducing cold water fish population as determined by the MA Division of Fisheries and Wildlife and adequate water quality data demonstrating that such waters meet cold water criteria.

Newly listed as cold water in the 12/29/06 revisions to the Surface Water Quality Standards, 314 CMR 4.00

Basin/drainage area

HUDSON

Hemlock Brook	entire length	Cold Water
Buxton Brook	entire length	Cold Water
Tunnel Brook	entire length	Cold Water
McDonald Brook	entire length	Cold Water

HOUSATONIC

Tyler Brook	entire length	Cold Water
Welch Brook	entire length	Cold Water
Churchill Brook	entire length	Cold Water

WESTFIELD

Middle Branch Westfield River		
Source to Kinnebrook Road, Dayville		Cold Water

Westfield River		
Source to confluence		Cold Water
with Middle Branch Westfield River		
(this segment previously was listed as cold water,		
but was incorrectly listed as East Branch)		

Westfield River East Branch		Cold Water
Source to confluence with Dead Branch		

Dead Branch		Cold Water
outlet of Long Pond		
to confluence with East Branch		
Westfield River		

Little River		Cold Water
Cobble Mt. Reservoir Dam to		
hydroelectric dam		

Little River		
Hydroelectric dam to confluence		Cold Water
with Westfield River		

Swift River	entire length	Cold Water
Swift River North Branch	entire length	Cold Water
White Brook	entire length	Cold Water
Miller Brook	entire length	Cold Water
Kellog Brook	entire length	Cold Water
Bush Brook	entire length	Cold Water
Barry Brook	entire length	Cold Water

WESTFIELD (continued)

Arm Brook
 Source to inlet of unnamed
 impoundment upstream of
 Rte 90 highway crossing

Cold Water

Munn Brook	entire length	Cold Water
Dickerson Brook	entire length	Cold Water
Potash Brook	entire length	Cold Water
Stage Brook	entire length	Cold Water
Roaring Brook (1)	entire length	Cold Water
Roaring Brook (2)	entire length	Cold Water
Abbott Brook	entire length	Cold Water
Walker Brook	entire length	Cold Water
Factory Brook	entire length	Cold Water
Geer Brook	entire length	Cold Water
Yokum Brook	entire length	Cold Water
Depot Brook	entire length	Cold Water
Shaker Hill Brook	entire length	Cold Water
Kinne Brook	entire length	Cold Water
Fuller Brook	entire length	Cold Water
Pond Brook	entire length	Cold Water
West Branch Brook	entire length	Cold Water
Bronson Brook	entire length	Cold Water
Kearney Brook	entire length	Cold Water
Tower Brook	entire length	Cold Water
Stones Brook	entire length	Cold Water
Mill Brook (1)	entire length	Cold Water
Bartlett Brook	entire length	Cold Water
Westfield Brook	entire length	Cold Water
Shaw Brook	entire length	Cold Water
Steep Bank Brook	entire length	Cold Water

DEERFIELD

Hinsdale Brook entire length

Cold Water

South River
 Source to confluence with
 Johnny Bean Brook

Cold Water

Poland Brook	entire length	Cold Water
Chapel Brook	entire length	Cold Water
Creamery Brook	entire length	Cold Water
Hawkes Brook	entire length	Cold Water
Bear Brook	entire length	Cold Water
Drakes Brook	entire length	Cold Water
Kinsman Brook	entire length	Cold Water
West Branch Brook	entire length	Cold Water
Hog Hollow Brook	entire length	Cold Water
Wilder Brook	entire length	Cold Water
Third Brook	entire length	Cold Water

Second Brook	entire length	Cold Water
Avery Brook	entire length	Cold Water
DEERFIELD (continued)		
First Brook	entire length	Cold Water
Willis Brook	entire length	Cold Water
Albee Brook	entire length	Cold Water
Mill Brook (2)	entire length	Cold Water
Maxwell Brook	entire length	Cold Water
Rice Brook	entire length	Cold Water
Bozrah Brook	entire length	Cold Water
Chickley River	entire length	Cold Water
Mill Brook (3)	entire length	Cold Water
North Brook	entire length	Cold Water
Cold River	entire length	Cold Water
Black Brook	entire length	Cold Water
Tannery Brook	entire length	Cold Water
Todd Brook	entire length	Cold Water
Pelham Brook	entire length	Cold Water
Taylor Brook	entire length	Cold Water
Bear Swamp Outflow	entire length	Cold Water
Reed Brook	entire length	Cold Water
Whitcomb Brook	entire length	Cold Water
Fife Brook	entire length	Cold Water
Dunbar Brook	entire length	Cold Water

CONNECTICUT

Manhan River, North Branch Source to confluence with Manhan River	Cold Water
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Mill River, East Branch Source to confluence with West Branch, Williamsburg	Cold Water
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Mill River, West Branch East St. Goshen to Meekin Brook, Williamsburg	Cold Water
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Sawmill River Dudley Rd. to confluence with Connecticut River	Cold Water
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Fall River	entire length	Cold Water
Schneelock Brook	entire length	Cold Water
Schoolhouse Brook	entire length	Cold Water
Broad Brook	entire length	Cold Water
Sodom Brook	entire length	Cold Water
Rice Brook	entire length	Cold Water
Tripple Brook	entire length	Cold Water
Moose Brook	entire length	Cold Water
Sachet Brook	entire length	Cold Water
Joe Wright Brook	entire length	Cold Water
Rogers Brook	entire length	Cold Water

Scarboro Brook	entire length	Cold Water
Dean Brook	entire length	Cold Water
CONNECTICUT (continued)		
Nurse Brook	entire length	Cold Water
Buffum Brook	entire length	Cold Water
Gates Brook	entire length	Cold Water
Harris Brook	entire length	Cold Water
West Brook	entire length	Cold Water
Shattuck Brook	entire length	Cold Water
Fourmile Brook	entire length	Cold Water
Mill Brook(2)	entire length	Cold Water
MILLERS		
Lyons Brook	entire length	Cold Water
QUINEBAUG		
Tufts Branch	entire length	Cold Water
BLACKSTONE		
Warren Brook	entire length	Cold Water
Cold Spring Brook	entire length	Cold Water
NASHUA		
Bayberry Hill Brook		Cold Water
Gulf Brook		Cold Water
Still River		Cold Water
Source to Rte. 117, Bolton		
Reedy Meadow Brook	entire length	Cold Water
Mulpus Brook	entire length	Cold Water
Burnt Mill Pond Brook	entire length	Cold Water
Goodrich Brook	entire length	Cold Water
South Meadow Brook	entire length	Cold Water
SUASCO		
Unnamed tributary to Assabet River	entire length	Cold Water
Jacksaw Brook		Cold Water
Source to Upton Rd		
1 st crossing south of Hopkington Rd.		

24

122 Total

